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			3621	

DATE MAILED: 07/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/075,336

Applicant(s)

BOYDSTUN ET AL.

Examiner

Cristina Owen Sherr

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This communication is in response to applicant's amendment filed May 1, 2006.

Claims 1, 16, 19, and 22 have been amended. Claims 1-24 are currently pending in this case.

Specification

2. The amendment to the specification at paragraph 0022 is hereby acknowledged as received.

Response to Arguments

3. Applicant's arguments filed May 12, 2006 have been fully considered but they are not persuasive.

4. Applicant argues, with respect to claims 1-24 that nothing in the cited art suggests or discloses converting unencrypted data to be compatible with target data store; and populating target data store with the converted data. However these differences are only found in the nonfunctional descriptive material and are not functionally involved in the steps recited. The migration steps, taught by Blakley, teach about the migration of data from a Source Domain to a Target Domain. (e.g. Col. 10, lines 46-67) that may be customer-tailored according to the user's particular needs, would be performed the same regardless of the data.

5. Thus, this descriptive material will not distinguish the claimed invention from the prior art in terms of patentability, see *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994).

is converting unencrypted data to be compatible with target data store,

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6. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to read selected data be it unencrypted or encrypted data from source data store; convert unencrypted/encrypted data to be compatible with target data store; and populate target data store with the converted data, because such data does not functionally relate to the steps in the method claimed and because the subjective interpretation of the data does not patentably distinguish the claimed invention.

7. Applicant further argues that nothing in the cited prior art discloses or suggests a password associated with the identification, then submitting the received identification and received password to the source user authenticator. Mehring teaches that it is known in the art to provide if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator. (e.g., Col. 10, lines 49-67, Col. 11, lines 1-10). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the authentication procedure of Blakley with if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator of Mehring, in order to facilitate the use of the data during the migration phase of the data transfer.

8. Further, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator since it is known in the art that during a data base migration period, if the target data store does not include a password associated with

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the identification, then submit the received identification and received password to the source user authenticator.

9. Applicant further argues, with respect to claims 16, 19 and 22, that nothing in the cited prior art discloses or suggests populating the data store with the received password from the user. Mehring teaches that it is known in the art to provide wherein the action of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user occurs after determining that the target data store does not include a password associated with the identification; and, wherein the action further comprises using the source user authenticator to prompt for and receive the identification and a password from the user after the initial submission of the identification from the user. (e.g. fig. 6)

10. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the security method of Blakley wherein the action of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user occurs after determining that the target data store does not include a password associated with the identification; and, wherein the action further comprises using the source user authenticator to prompt for and receive the identification and a password from the user after the initial submission of the identification from the user of Mehring, in order to authenticate the user requesting the data. Also, It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the password/unique identification element of Blakley with the prompting the user for an identification of Mehring, in order to increase the security in accessing data.

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Further, it would have been obvious to modify the teachings of Blakley, to provide the step of prompting the user for identification.

11. Applicant argues that nothing in the cited prior art teaches or suggests an interface that intercepts a request to the source user authenticator from a user seeking access to information protected by the target user authenticator. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator since it is known in the art that during a data base migration period, if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator.

Claim Rejections - 35 USC § 103

Applicant argues that nothing in the cited prior art teaches or suggests an interface

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blakley, III et al. U.S. Patent 5,832,211 [Blakley], and further in view of Mehring et al. U.S. Patent 6,609,115 1311 [Mehring].

14. As per claims 1, 16 and 22: Blakley discloses: Read selected unencrypted data from source data store. For example Col. 7, lines 35-37. Blakley does not expressly show, convert unencrypted data to be compatible with target data store; and populate target data

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store with the converted data. However these differences are only found in the nonfunctional descriptive material and are not functionally involved in the steps recited. The migration steps, taught by Blakley, teach about the migration of data from a Source Domain to a Target Domain. Col. 10, lines 46-67, that may be customer-tailored according to the user's particular needs, would be performed the same regardless of the data.

15. Thus, this descriptive material will not distinguish the claimed invention from the prior art in terms of patentability, see *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994).

16. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to read selected data be it unencrypted or encrypted data from source data store; convert unencrypted/encrypted data to be compatible with target data store; and populate target data store with the converted data, because such data does not functionally relate to the steps in the method claimed and because the subjective interpretation of the data does not patentably distinguish the claimed invention.

17. Blakley further discloses: "Receive identification from a user seeking access to information protected by the target user authenticator. For example Col. 7, lines 17-35.

18. Locate the corresponding identification in the target data store and determine whether the target data store includes a password associated with the identification. For example Col. 11, lines 44-55, Blakley teaches locating the corresponding identification in the target data store, which includes a password, associated with the user's identification.

any relate to the steps in the method claimed and because the subjective

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19. Receive a password from the user associated with the received identification. For example Col. 11, lines 25-67. Blakley discloses the claimed invention except for if the target data store does not include a password associated with the identification, then submits the received identification and received password to the source user authenticator. Mehring teaches that it is known in the art to provide if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator. Col. 10, lines 49-67, Col. 11, lines 1-10. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the authentication procedure Page 7 Blakley with the if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator of Mehring, in order to facilitate the use of the data during the migration phase of the data transfer.

20. Further, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator since it is known in the art that during a data base migration period, if the target data store does not include a password associated with the identification, then submit the received identification and received password to the source user authenticator.

21. Monitor the source user authenticator for an approval response; for example Col. 8, lines 1-10, Col. 9, lines 34-67.

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22. Blakley discloses the claimed invention except for on receipt of an approval response from the source user authenticator populates the target data store with the received password associating the received password with the corresponding identification. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to on receipt of an approval response from the source user authenticator populate the target data store with the received password associating the received password with the corresponding identification, since it is known in the art that to facilitate the complete transfer of data, when data is found missing from the original source, it is restored by the data from the original source.

23. Authenticate the identification and password using the target user authenticator. For example Col. 23, lines 5-35.

24. As per claim 2:
Blakley further discloses: If, after determining whether the target data store includes a password associated with the identification, the target data store does include a password associated with the identification, then authenticate the identification and password using the target user authenticator. For example Col. 7, lines 15-20.

25. As per claim 3:
Blakley further discloses: Receiving a password in a single submission from the user in conjunction with receiving the identification from the user. For example Col. 7, lines 15-35

26. As per claims 4, 5, 17, 20 and 23:

Blakley discloses the claimed invention except for the receiving a password in a submission from the user after the initial submission of the identification from the user. However,

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Blakley does disclose the use of a password and a corresponding unique account identification number. Col. 7, lines 15-20. Mehring teaches that it is known in the art to provide a receiving a password in a submission from the user after the initial submission of the identification from the user. Col. 10, lines 60-67. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the password/unique identification element of Blakley with the receiving a password in a submission from the user after the initial submission of the identification from the user of Mehring, in order to increase the security in accessing data. Further, It would have been obvious to modify the teachings of Blakley, to provide the step of receiving a password in a submission from the user after the initial submission of the identification from the user.

27. Since the applicant has not disclosed that receiving a password in a submission from the user after the initial submission of the identification from the user solves any stated problem in a new or unexpected way or is for any particular purpose which is unobvious to one of ordinary skill and it appears that the claimed feature does not distinguish the invention over similar features in the prior art since, the teachings of Blakley will perform the invention as claimed by the applicant with any means, method, or product to receiving a password in a submission from the user after the initial submission of the identification from the user.

28. As per claims 6, 18, 21 and 24:

Blakley discloses the claimed invention, as discussed above, except for the step of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user. It would have been an obvious to modify the

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teachings of Blakley to provide the step of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user.

29. Since the applicant has not disclosed that prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user solves any stated problem in a new or unexpected way or is for any particular purpose which is unobvious to one of ordinary skill and it appears that the claimed feature does not distinguish the invention over similar features in the prior art since, the teachings of Blakley will perform the invention as claimed by the applicant with any means, method, or product to prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user.

30. As per claim 7:

Blakley discloses the claimed invention except for the wherein the action of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user occurs after determining that the target data store does not include a password associated with the identification; and, wherein the action further comprises using the source user authenticator to prompt for and receive the identification and a password from the user after the initial submission of the identification from the user.

31. Mehring teaches that it is known in the art to provide wherein the action of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user occurs after determining that the target data store does not include a password associated with the identification; and, wherein the action further

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comprises using the source user authenticator to prompt for and receive the identification and a password from the user after the initial submission of the identification from the user.

32. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the security method of Blakley with wherein the action of prompting for and receiving the identification and a password from the user after the initial submission of the identification from the user occurs after determining that the target data store does not include a password associated with the identification; and, wherein the action further comprises using the source user authenticator to prompt for and receive the identification and a password from the user after the initial submission of the identification from the user of Mehring, in order to authenticate the user requesting the data.

33. As per claims 8 and 9:

Blakley discloses the claimed invention except for wherein while the source user authenticator is receiving the submitted password from the user, capturing the password provided by the user in response to the source authenticator prompting and using the captured password as the received password.

34. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to wherein while the source user authenticator is receiving the submitted password from the user, capturing the password provided by the user in response to the source authenticator prompting and using the captured password as the received password since it is known in the art to use the password provided by the user in response to the source authenticator prompting and using the captured password as the received password.

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35. As per claim 10:

Blakley does not expressly show wherein the target data store is an LDAP compliant directory service. However, Blakley does disclose about Open Systems Foundation (OSF) Distributed Computing Environment (DCE). For example Col. 5, lines 56-67, Col. 7, lines 1-10. The difference between the prior art and the application is only found in the Nonfunctional descriptive material and is not functionally involved in the steps recited. The migrating steps would be performed the same regardless of the type of data store involved. Thus, this descriptive material will not distinguish the claimed invention from the prior art in terms of patentability; see *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994).

35. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the type of data store compatible with their system because the type of data store does not functionally relate to the steps in the method claimed and because the subjective interpretation of the data store does not patentably distinguish the claimed invention.

36. As per claim 11:

Blakley does not expressly show wherein the target data store is a relational database. However, Blakley does disclose about Open Systems Foundation (OSF) Distributed Computing Environment (DCE) For example Col. 5, lines 56-67, Col. 7, lines 1-10. The difference between the prior art and the application is only found in the nonfunctional descriptive material and is not functionally involved in the steps recited. The migrating steps would be performed the same regardless of the type of data store involved. Thus, this

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descriptive material will not distinguish the claimed invention from the prior art in terms of patentability, see *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994).

37. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the type of data store compatible with their system because the type of data store does not functionally relate to the steps in the method claimed and because the subjective interpretation of the data store does not patentably distinguish the claimed invention.

38. As per claims 12 and 13:

Blakley does not expressly show wherein the source data store is a relational database. However, Blakley does disclose about Open Systems Foundation (OSF) Distributed Computing Environment (DCE) For example Col. 5, lines 56-67, Col. 7, lines 1-10. The difference between the prior art and the application is only found in the nonfunctional descriptive material and is not functionally involved in the steps recited. The migrating steps would be performed the same regardless of the type of data stores involved. Thus, this descriptive material will not distinguish the claimed invention from the prior art in terms of patentability, see *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); *In re Lowry*, 32 F.3d 1579; 32 USPQ2d 1031 (Fed. Cir. 1994).

39. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the type of data store compatible with their system because the type of data stores does not functionally relate to the steps in the method

the prior art and the application is only found in the nonfunctional descriptive material.

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claimed and because the subjective interpretation of the data stores does not patentably distinguish the claimed invention.

40. As per claim 14:

Blakley further discloses: wherein the user is a person. For example Col. 7; lines, 15-35.

41. As per claim-15:

Blakley further discloses: wherein the user is a software object. For example, Col. 7, lines 15-35.

42. As per claim 19:

Blakley discloses the claimed invention except for intercepting a request to the source user authenticator from a user seeking access to information protected by the target user authenticator. Mehring teaches that it is known in the art to provide intercepting a request to the source user authenticator from a user seeking access to information protected by the target user authenticator. For example Col. 9, lines 15-50.

43. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the push/pull password system of Blakley, with the intercepting a request to the source user authenticator from a user seeking access to information protected by the target user authenticator of Mehring, in order to facilitate the approval of the user, with a minimum interaction by the user, to complete the authentication procedure.

44. Blakley discloses the claimed invention except for prompting the user for an identification. However, Blakley does disclose the use of user identification. Mehring teaches that it is known in the art to prompting the user for an identification; receiving the

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identification from the user. Col. 10, lines 60-67. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the password/unique identification element of Blakley with the prompting the user for an identification of Mehring, in order to increase the security in accessing data. Further, it would have been obvious to modify the teachings of Blakley, to provide the step of prompting the user for an identification.

45. Since the applicant has not disclosed that prompting the user for an identification; receiving the identification from the user solves any stated problem in a new or unexpected way or is for any particular purpose which is unobvious to one of ordinary skill and it appears that the claimed feature does not distinguish the invention over similar features in the prior art since, the teachings of Blakley will perform the invention as claimed by the applicant with any means, method, or product to receiving a password in a submission from the user after the initial submission of the identification from the user; locating the corresponding identification in the target data store and determining whether the target data store includes a password associated with the identification; For example Col. 7, lines 15-

45. If the target data store does include a password associated with the identification, then: authenticating the identification and password using the target user using the target user authenticator. Col. 7, lines 15-20.

46. Examiner's Note: Examiner has cited particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as

... in the target data store and determining whether the target data

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well. It is respectfully requested from the applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Conclusion

47. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Leah et al. US 6,986,038 131 TECHNIQUE FOR SYNCHRONIZING SECURITY CREDENTIALS FROM A MASTER DIRECTORY, PLATFORM, OR REGISTRY. Discloses prompting of the user.

48. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

49. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

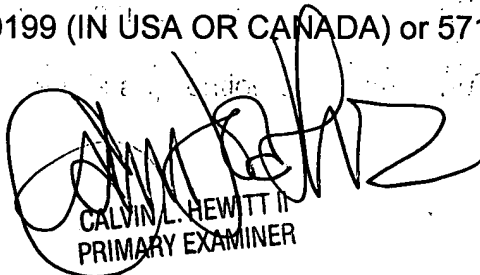
50. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cristina Owen Sherr whose telephone number is 571-272-6711. The examiner can normally be reached on 8:30-5:00 Monday through Friday.

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51. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571-272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

52. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

COS, 07/06/06


CALVIN L. HEWITT II
PRIMARY EXAMINER